

PRIOR ART: CONVENTIONAL COMBINED CYCLE (TYPICAL)

STANDBY HEAT SUPPLY AND BURNER: HEAT OUTPUT HS PRIMARY POWER UNIT: SECONDARY POWER UNIT: FUEL IN **EXHAUST** STACK NOMINAL POWER OUTPUT NOMINAL POWER OUTPUT Hi HEAT $W_1 = 100\% \text{ OF } W_1$ $W_2 = 0\% \text{ OF } W_1$ NOMINAL ELECTRICAL LOAD WL NORMAL OPERATION $W_1 = W_1$

FIG.1

 $\begin{array}{rll} \mbox{Hs} &= 0 \\ \mbox{STANDBY OPERATION W}_L = 100\% \mbox{ OF W}_2 \\ \mbox{Hs} &= 100\% > \mbox{Hi} \end{array}$

FIG.2 PROPOSED SYSTEM (EXAMPLE)

Sept. 2, 2004. Bronicki, \$\forall 10/849, \forall 502, \, \text{dkt: 15162X, "Hybrid Power System for Continuous Reliable Power at Locations Including Remote Locations" Nath & Associates PLLC, Cust. No. 20529, REPLACEMENT SHEET, sheet 2 of 12

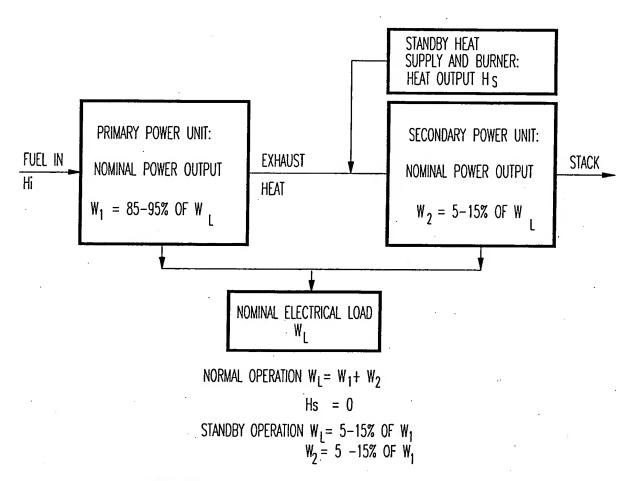


FIG.2A PROPOSED SYSTEM (EXAMPLE)

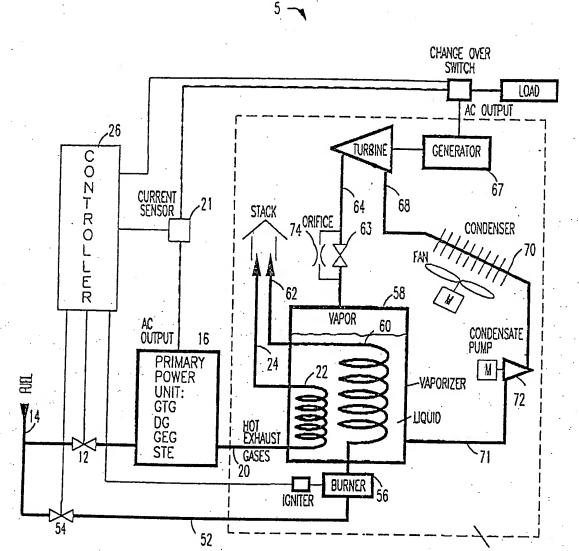


FIG.3

CCVT



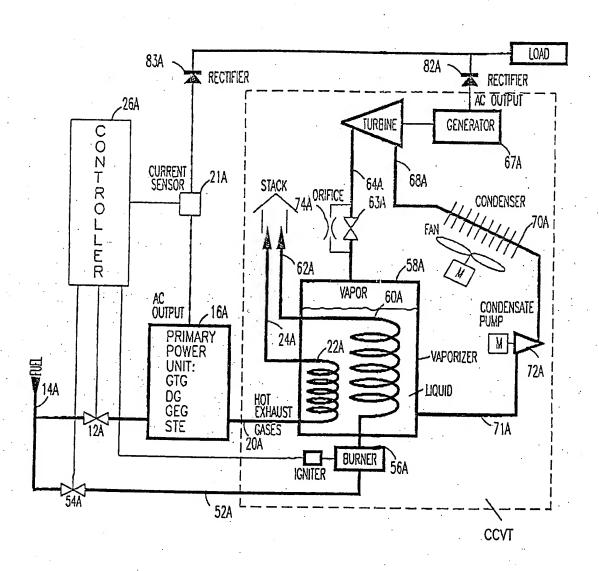


FIG.4

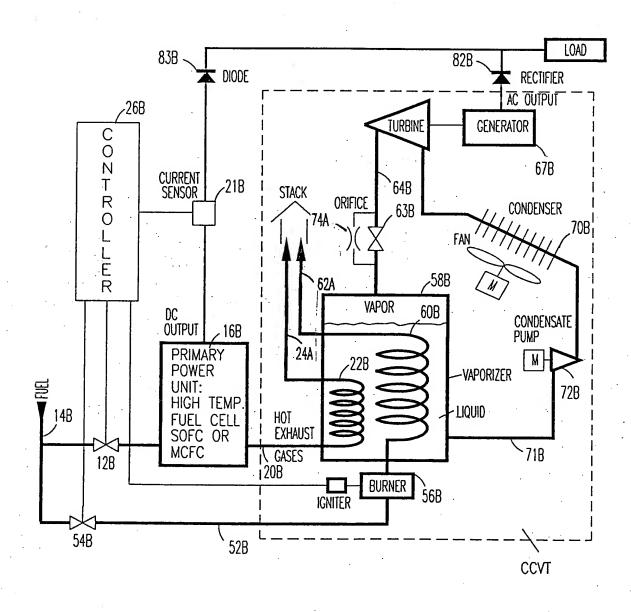


FIG.5

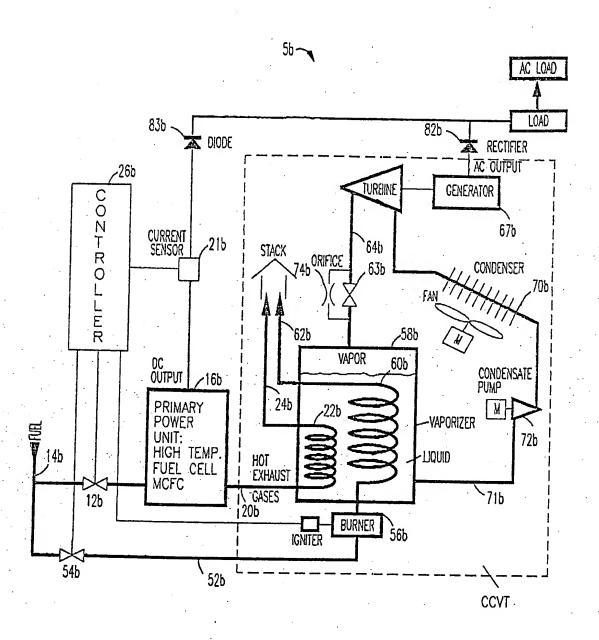


FIG.5A



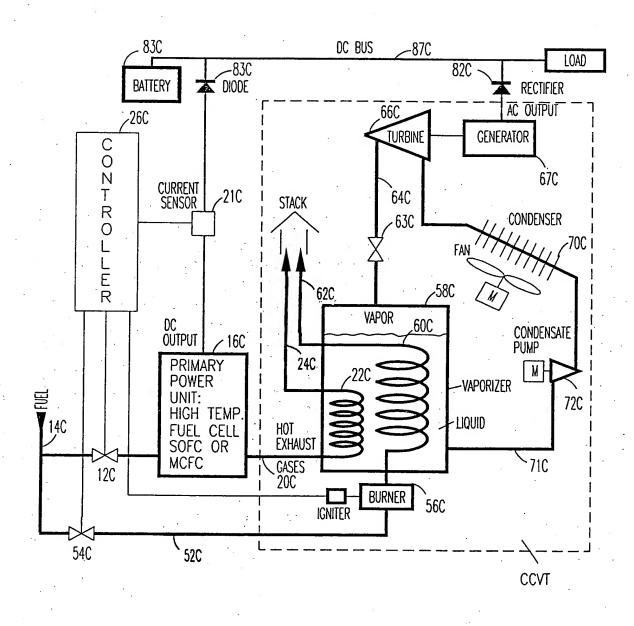


FIG.6



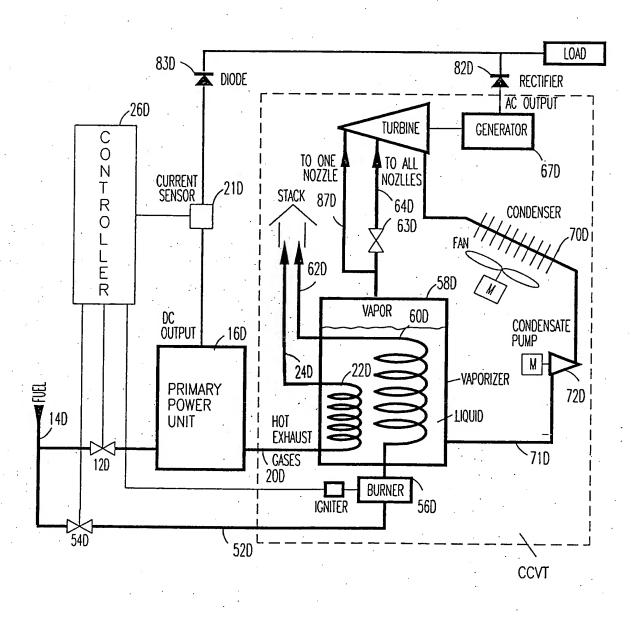


FIG.7



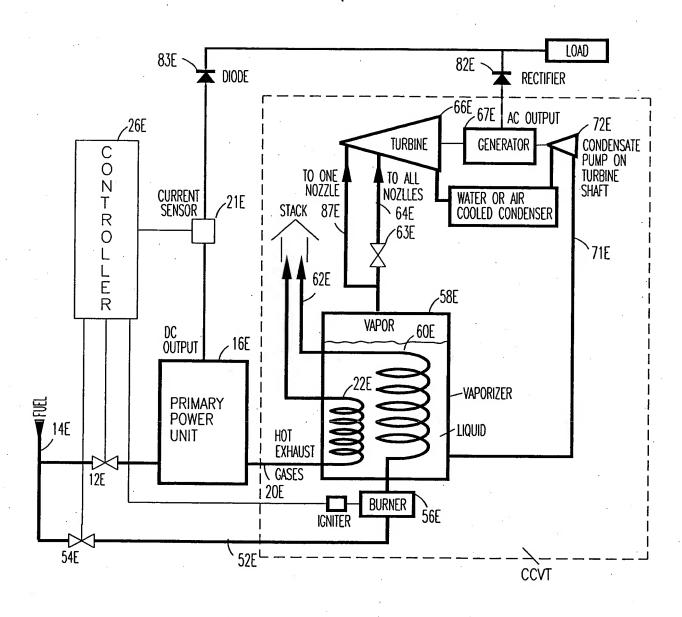


FIG.8

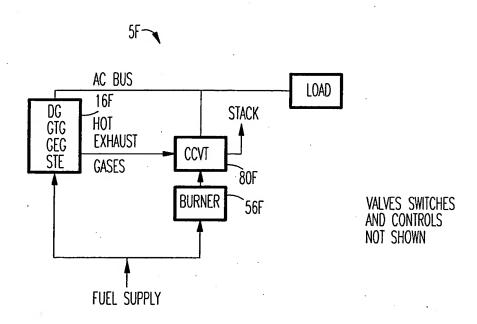


FIG.9

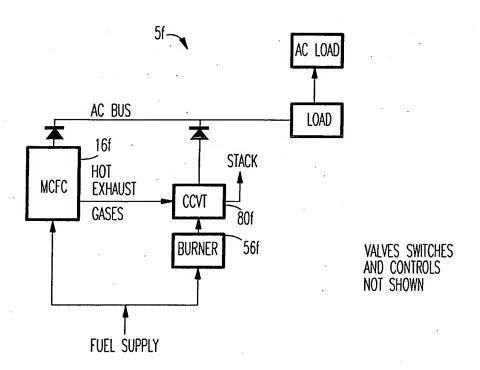


FIG.9A

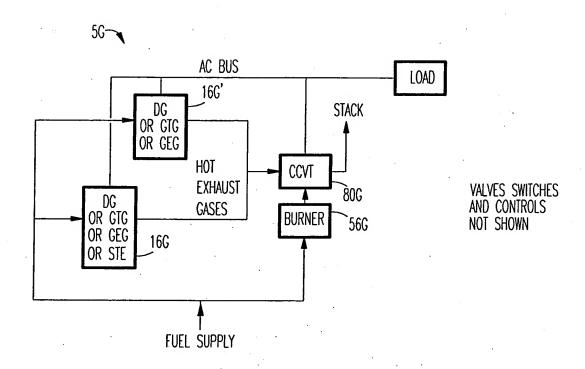


FIG.10

